

*B1
amd.*

~~automatically closing the valve after a predetermined time has elapsed after opening the valve.~~

B2

23. (Amended) The method of Claim 20 further comprising:
automatically closing the valve if the water level reaches an overfill level during the predetermined time.

*Sub
C12*

27. (Amended) A pool controller system for controlling operation of a pool service system including a water heater, a water filter, and for providing a semi-automated water fill capability, comprising:

B3

a valve connected to a water supply line, the valve responsive to valve control signals to open and close, wherein the valve in an open state releases water from the water supply line into a water holding structure, and in a closed state prevents water from flowing from the water supply line into the water holding structure;

an electronic controller system responsive to manually entered user commands through a control panel to generate the valve control signals, the controller system for actuating the fill valve to the open state in response to a predetermined user fill command, and for automatically closing the valve upon elapsement of a predetermined fill time interval.

*Sub
C13*

B4

✓ Add the following new claims.

54. (New) In a spa or pool installation, including a water holding structure and a control system, a method for automatically releasing water into the water holding structure, comprising:

using an electronic pool control system, monitoring water parameters including water temperature and a water level sensor signal;

in response to a water level sensor signal indicative of a low water level in the water holding structure, automatically opening a water supply valve connected to a water supply line to release water into the water holding structure from a water supply line; and

automatically closing the water supply valve after a predetermined time interval has elapsed since opening the valve.

55. (New) In a spa or swimming pool installation, including a water holding structure, a method for releasing water into the water holding structure, comprising:

manually entering a water fill command through an electronic control panel connected to an electronic control system to actuate a water supply valve;
opening the valve in response to the user command to release water into the water holding structure; and
automatically closing the valve after a predetermined time interval has elapsed after opening the valve.

56. (New) The method of Claim 55 further comprising:
manually setting the predetermined time interval during a programming mode.

57. (New) The method of Claim 56 further comprising:
storing in an electronic memory a time value corresponding to the predetermined time interval.

58. (New) The method of Claim 55 further comprising:
automatically closing the valve if the water level reaches an overfill level during the predetermined time interval.

59. (New) In a spa or swimming pool installation, including a water holding structure, a method for replenishing water in the water holding structure, comprising:

in response to a user identification of a low water condition in the water holding structure, electronically actuating a water supply valve connected to a water supply line to release water into the water holding structure;
automatically closing the valve after a predetermined time interval has elapsed after actuating the valve.

60. (New) The method of Claim 59 further comprising:
manually setting the predetermined time interval during a programming mode.

61. (New) The method of Claim 60 further comprising:
storing in an electronic memory a time value corresponding to the predetermined time interval.

62. (New) The method of Claim 59 further comprising:
automatically closing the valve if the water level reaches an overflow level during the predetermined time interval.

63. (New) A pool or spa service system for providing a semi-automated water fill capability to replenish water in the pool or spa, comprising:

a valve connected to a water supply line, the valve responsive to valve control signals to open and close, wherein the valve in an open state releases water from the water supply line into the pool or spa, and in a closed state prevents water from flowing from the water supply line into the pool or spa;

an electronic controller system responsive to manually entered user commands through a control panel to generate the valve control signals, the controller system for actuating the fill valve to the open state in response to a predetermined user fill command, and for automatically closing the valve upon elapsement of a predetermined fill time interval.

64. (New) The system of Claim 63, wherein the controller system is further responsive to user commands manually entered through a control panel for setting the fill time interval.

65. (New) The system of Claim 63, wherein the controller system further comprises:

an electronic memory for storing a time value corresponding to the predetermined time interval.

66. (New) The system of Claim 63, wherein the control panel includes a user-actuated button to enter the user commands, and the controller system monitors a state of the button to detect user actuations.

Sub
C44